

Fig. 1a

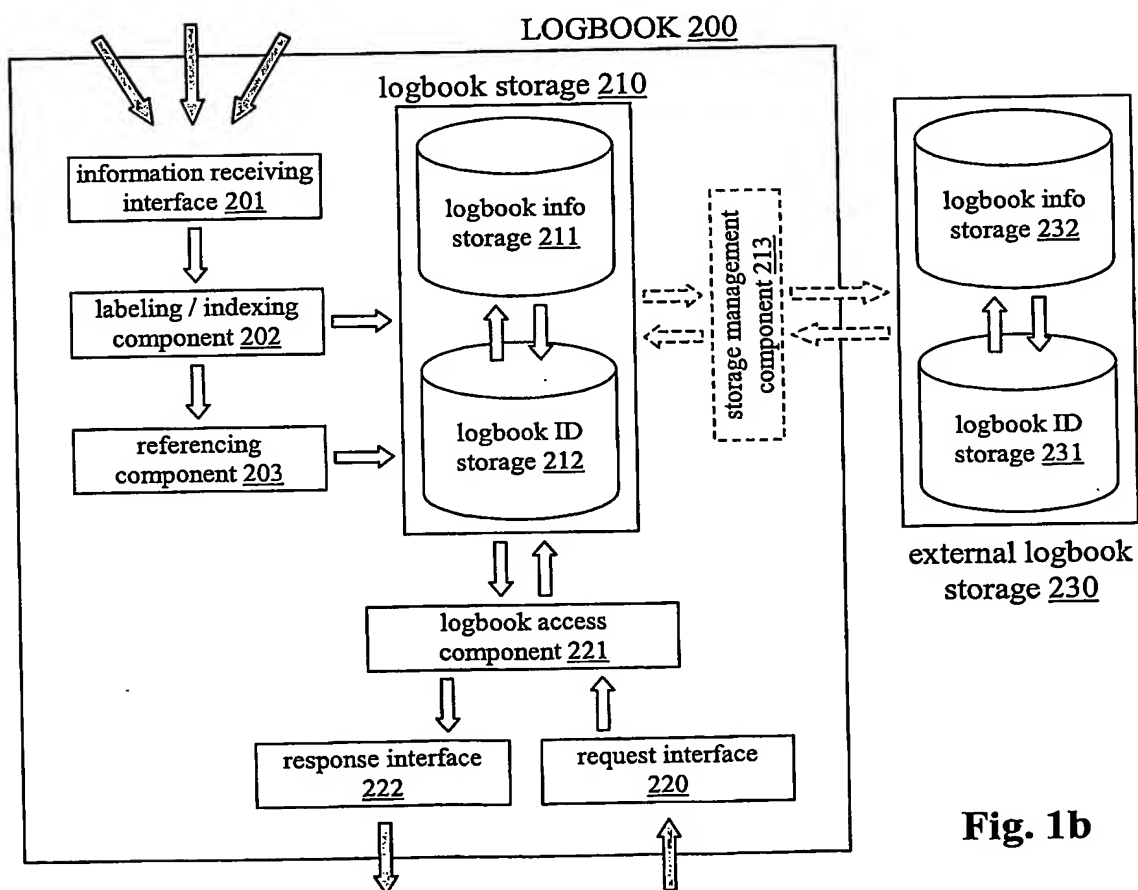


Fig. 1b

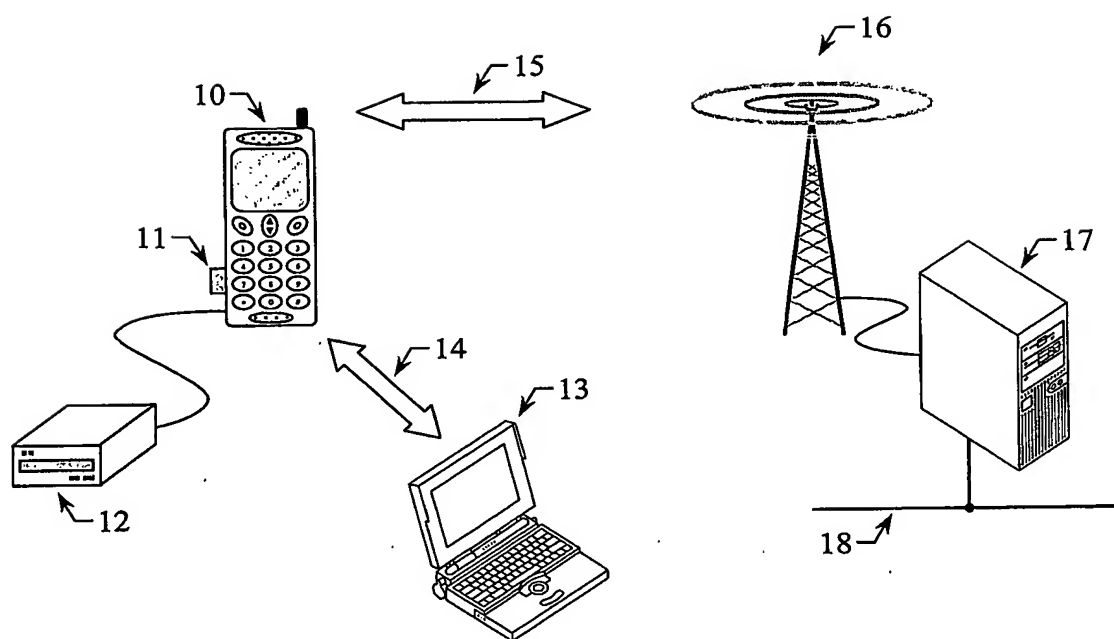


Fig. 1c

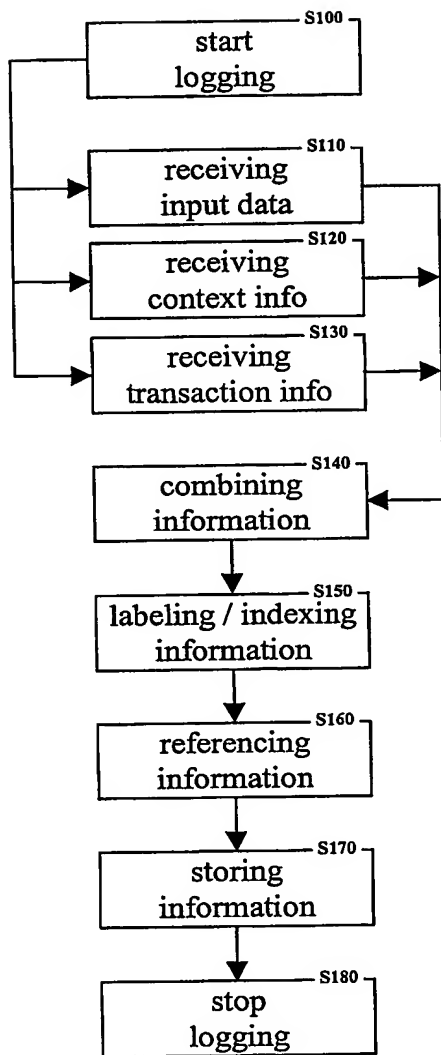


Fig. 2a

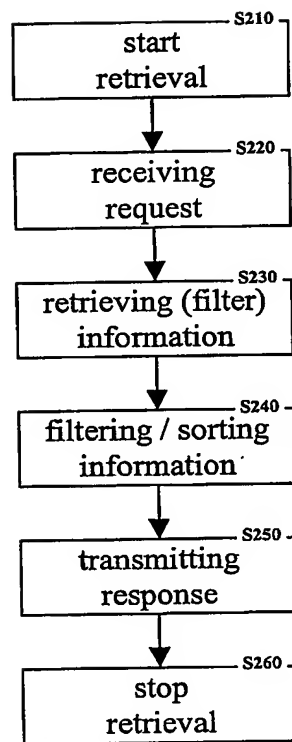


Fig. 2b

Calendar Entry #i		Calendar Entry #j	
Date:	<i>Friday; December 6<sup>th</sup>, 2002</i>	Date:	<i>Friday; December 6<sup>th</sup>, 2002</i>
Time:	<i>18:00 - 19:00 (scheduled)</i>	Time:	<i>19:10 - 19:25 (scheduled)</i>
Who:	<i>Santa Claus, Rudy "Rednose" Reindeer</i>	Who:	<i>Jane (my wife)</i>
Where:	<i>near north pole</i>	Where:	
Type:	<i>Meeting</i>	Type:	<i>Telephone Conference</i>
Importance:	<i>high</i>	Importance:	<i>high</i>
notes:	<i><b>CONFIDENTIAL !</b> Main topic: X-mas gifts for sun Don't forget gift list !</i>	notes:	<i><b>CONFIDENTIAL !</b> Conclusions of the meeting with Santa Claus</i>

Fig. 3a

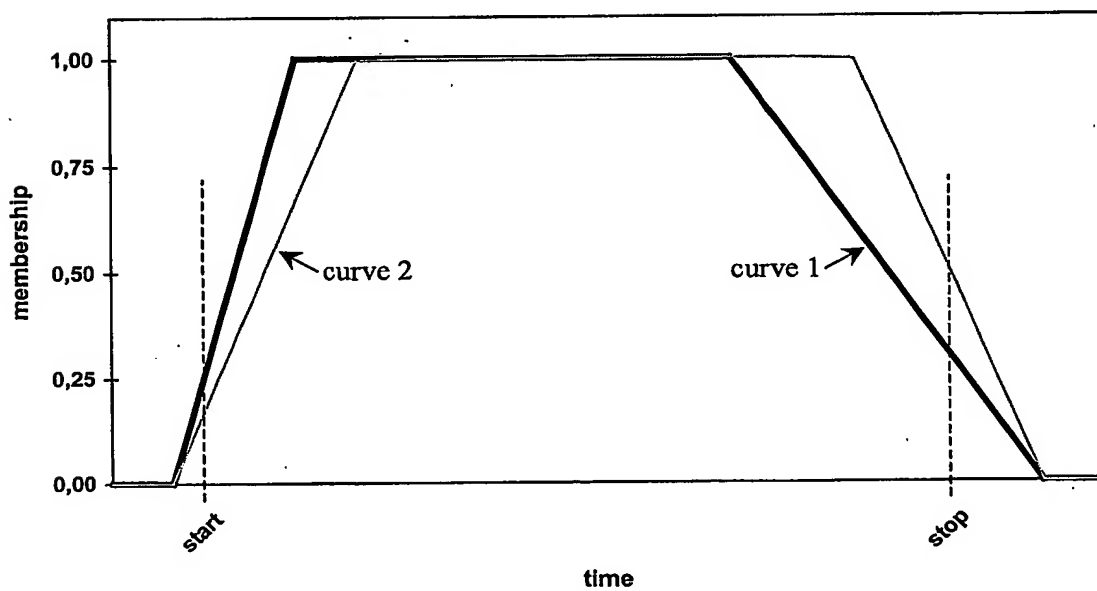


Fig. 3b

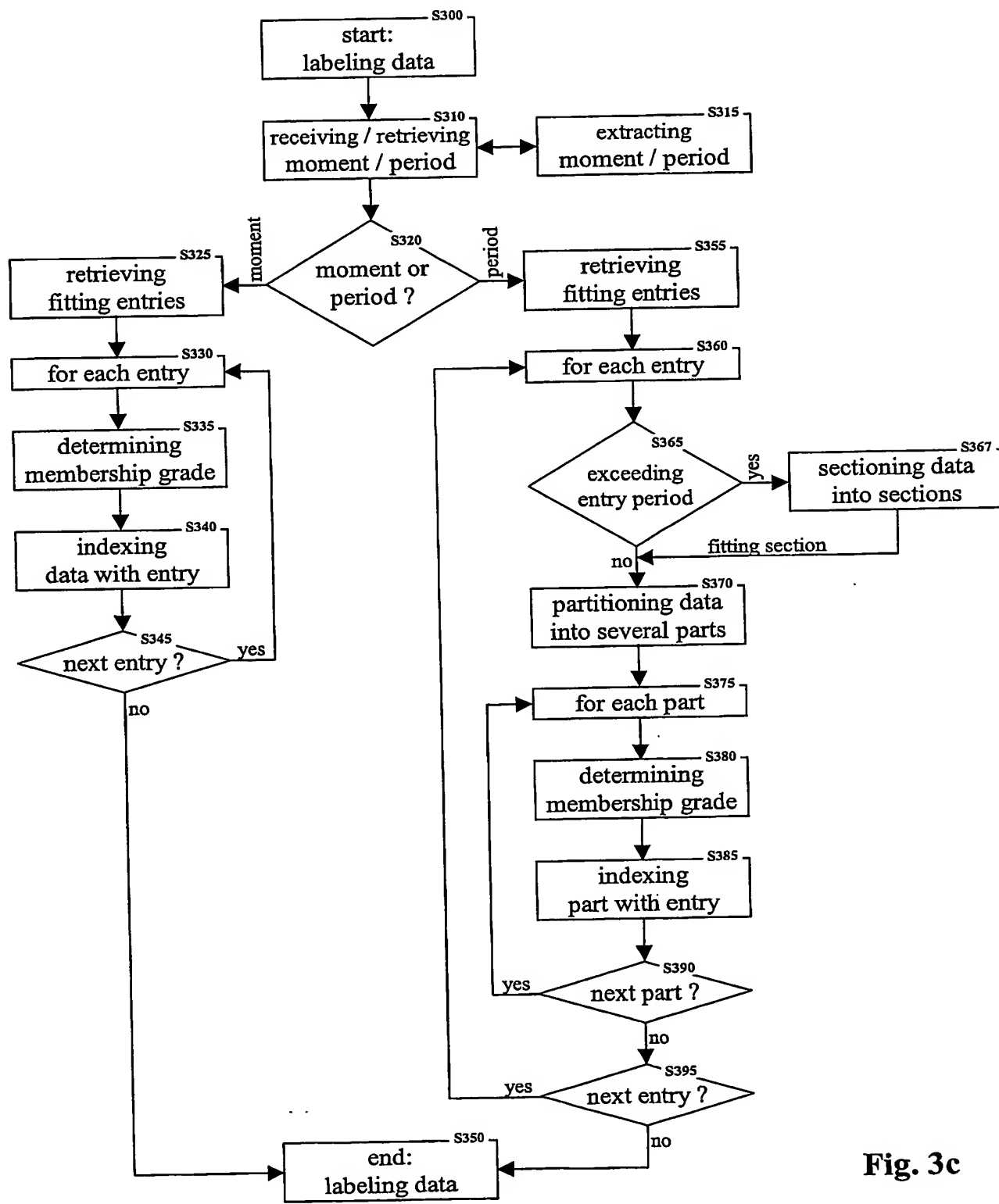


Fig. 3c

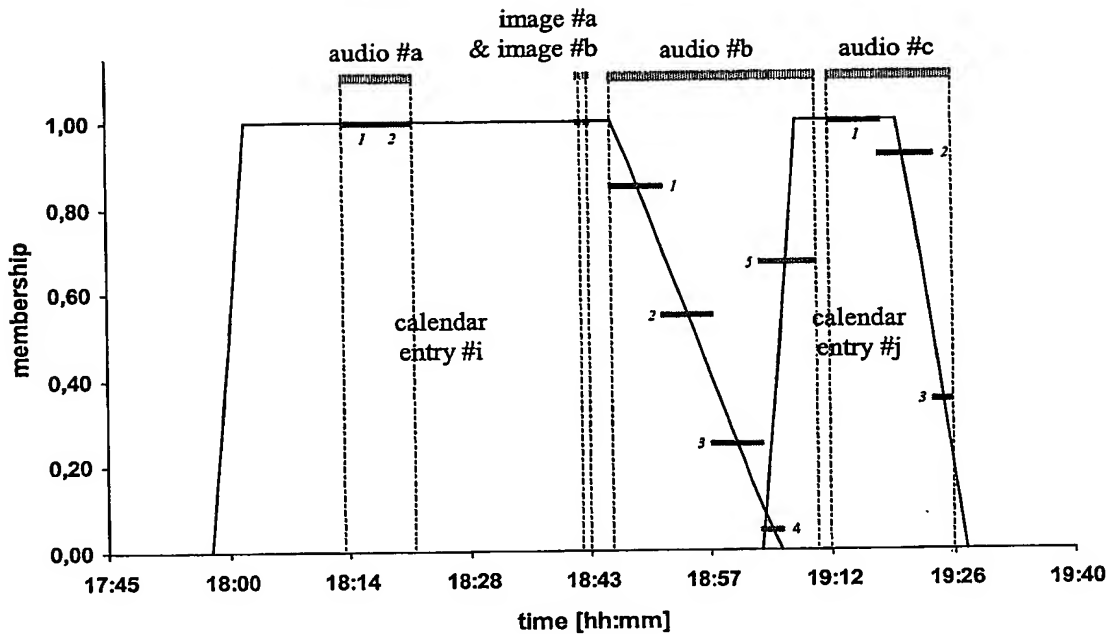


Fig. 3d

**Audio File #a**

Date: Friday, December 6<sup>th</sup>, 2002  
 Time: 18:14 - 18:22  
 Index 1: Calendar Entry #i ( $\mu$ : 1.00 / T: 18:14 - 18:20)  
 Index 2: Calendar Entry #i ( $\mu$ : 1.00 / T: 18:20 - 18:22)  
 ...

**Image File #a**

Date: Friday, December 6<sup>th</sup>, 2002  
 Time: 18:42  
 Index 1: Calendar Entry #i ( $\mu$ : 1.00)  
 ...

**Audio File #b**

Date: Friday, December 6<sup>th</sup>, 2002  
 Time: 18:46 - 19:10  
 Index 1: Calendar Entry #i ( $\mu$ : 0.85 / T: 18:46 - 18:52)  
 Index 2: Calendar Entry #i ( $\mu$ : 0.55 / T: 18:52 - 18:58)  
 Index 3: Calendar Entry #i ( $\mu$ : 0.25 / T: 18:58 - 19:04)  
 Index 4: Calendar Entry #i ( $\mu$ : 0.05 / T: 19:04 - 19:06)  
 Index 5: Calendar Entry #j ( $\mu$ : 0.67 / T: 19:04 - 19:10)  
 ...

**Image File #b**

Date: Friday, December 6<sup>th</sup>, 2002  
 Time: 18:43  
 Index 1: Calendar Entry #i ( $\mu$ : 1.00)  
 ...

**Audio File #c**

Date: Friday, December 6<sup>th</sup>, 2002  
 Time: 19:12 - 19:28  
 Index 1: Calendar Entry #i ( $\mu$ : 1.00 / T: 19:12 - 19:18)  
 Index 2: Calendar Entry #i ( $\mu$ : 0.92 / T: 19:18 - 19:24)  
 Index 3: Calendar Entry #i ( $\mu$ : 0.25 / T: 19:24 - 19:28)  
 ...

Fig. 3e

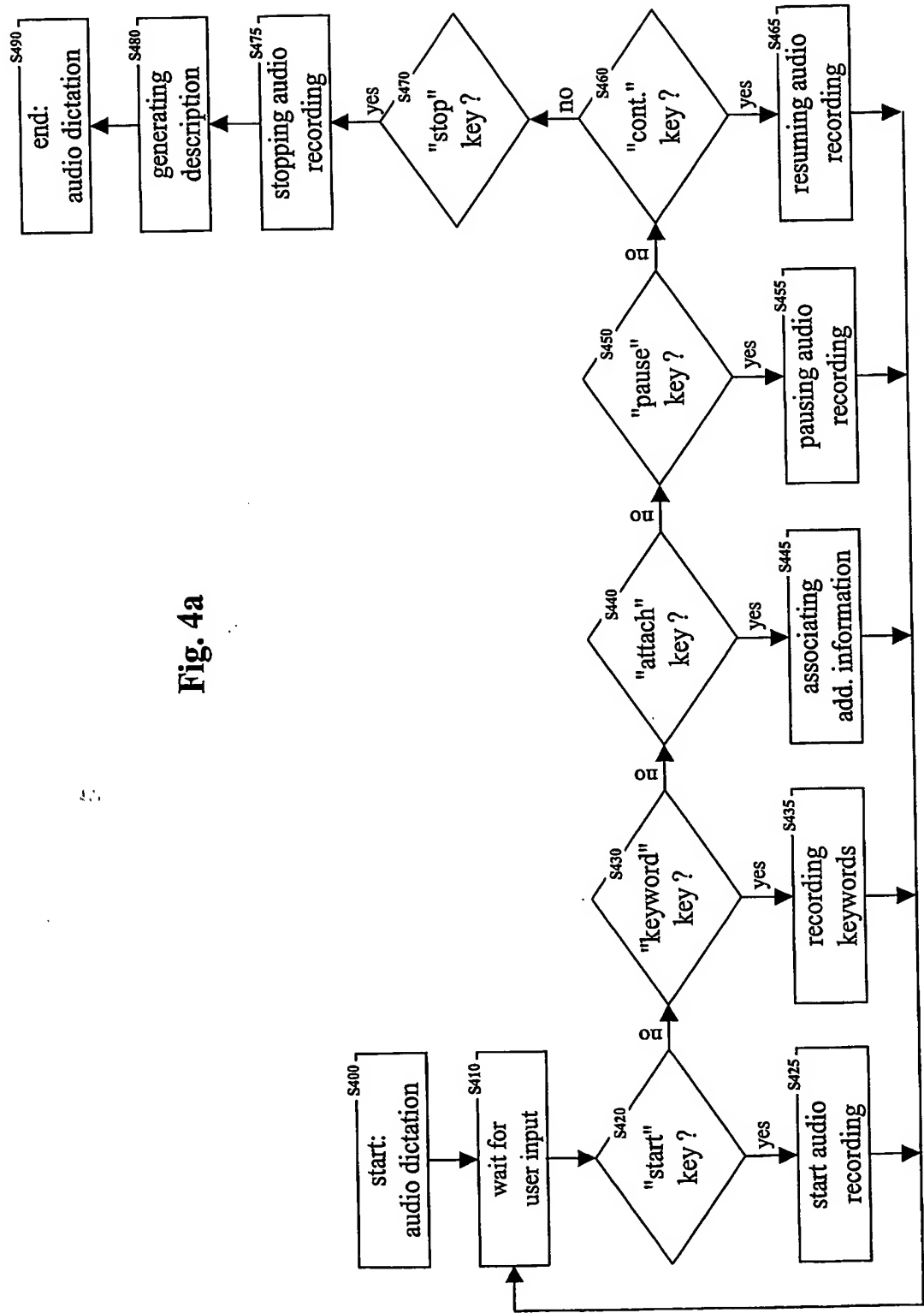


Fig. 4a

#	user operation	terminal operation	
1	pushing "start" key	storing: initiating:	TIME1, IMEI, location, other data; recording audio data to storage device (AUDIO1)
2	dictating audio information	recording:	audio data to storage device (AUDIO1)
3	pushing and holding "keyword" key	initiating: storing: continuing:	recording audio data to memory (KEYWORD_AUDIO1); TIME2; recording audio data to storage device (AUDIO1)
4	dictating keywords	recording: continuing:	audio data to memory (KEYWORD_AUDIO1) recording audio data to storage device (AUDIO1)
5	releasing "keyword" key	stopping: continuing:	recording audio data to memory (KEYWORD_AUDIO1); recording audio data to storage device (AUDIO1)
6	dictating audio information	continuing:	recording audio data to storage device (AUDIO1)
7	pushing "pause" key	pausing: storing:	recording audio data to storage device (AUDIO1); TIME3
8	taking image & pushing "attach" key	attaching: storing:	image to audio data (AUDIO1) picture to memory (IMAGE1)
9	pushing "continue" key	storing: resuming:	TIME4; recording audio data to storage device (AUDIO1)
10	dictating audio information	continuing:	recording audio data to storage device (AUDIO1)
11	pushing "stop" key	stopping: storing: storing generating:	recording audio data to storage device (AUDIO1); TIME5 to storage device: IMAGE1, KEYWORD_AUDIO1; description information (DICTATION1)

Fig. 4b

1: <ID: Storage ID>	16: <#pauses>
2: <ID: device ID>	17: TIME3
3: <ID: start time>	18: TIME4
4:	19:
5: <BEGIN>	20: <#embedded objects>
6: Start time: TIME1	21: TIME3
7: Stop time: TIME5	22: Link to IMAGE1
7:	23:
8: Link to AUDIO1	24: <#location information>
10:	25: location related data
11: <#keywords>	26:
12: TIME2	27: <#other information>
13: Link to KEYWORDS_AUDIO1	28: sensor related data
14:	29:
15: M	30: <END>

Fig. 4c



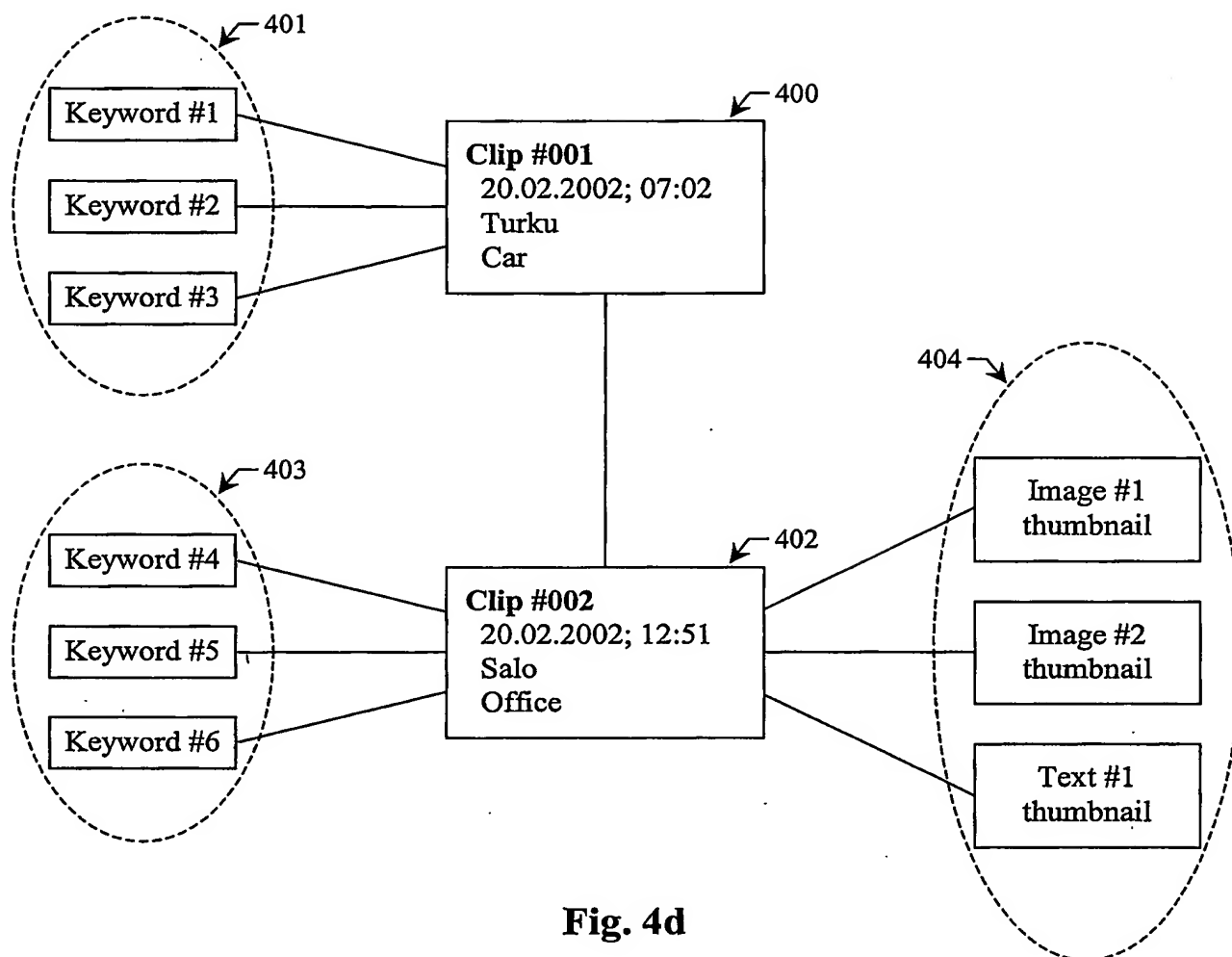


Fig. 4d

Clip	Date / Time	Place	Thumbprint	Keywords	Images
#001	20.02.2002 7:02	Turku / Car	-	Link keywd #1 Link keywd #2 Link keywd #2	-
#002	20.02.2002 12:51	Salo / Office	Link text #1	Link keywd #4 Link keywd #5 Link keywd #6	Link img #1 Link img #2
M	M	M	M	M	M

Fig. 4e

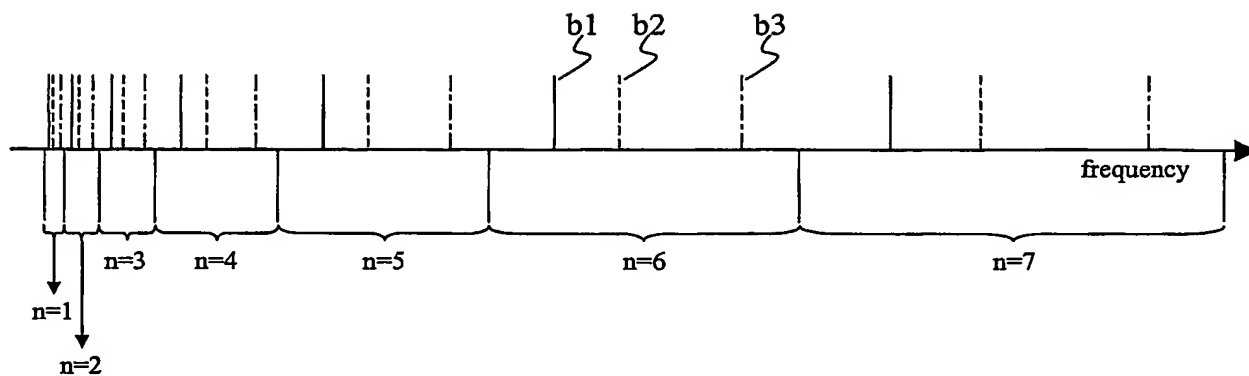


Fig. 5a

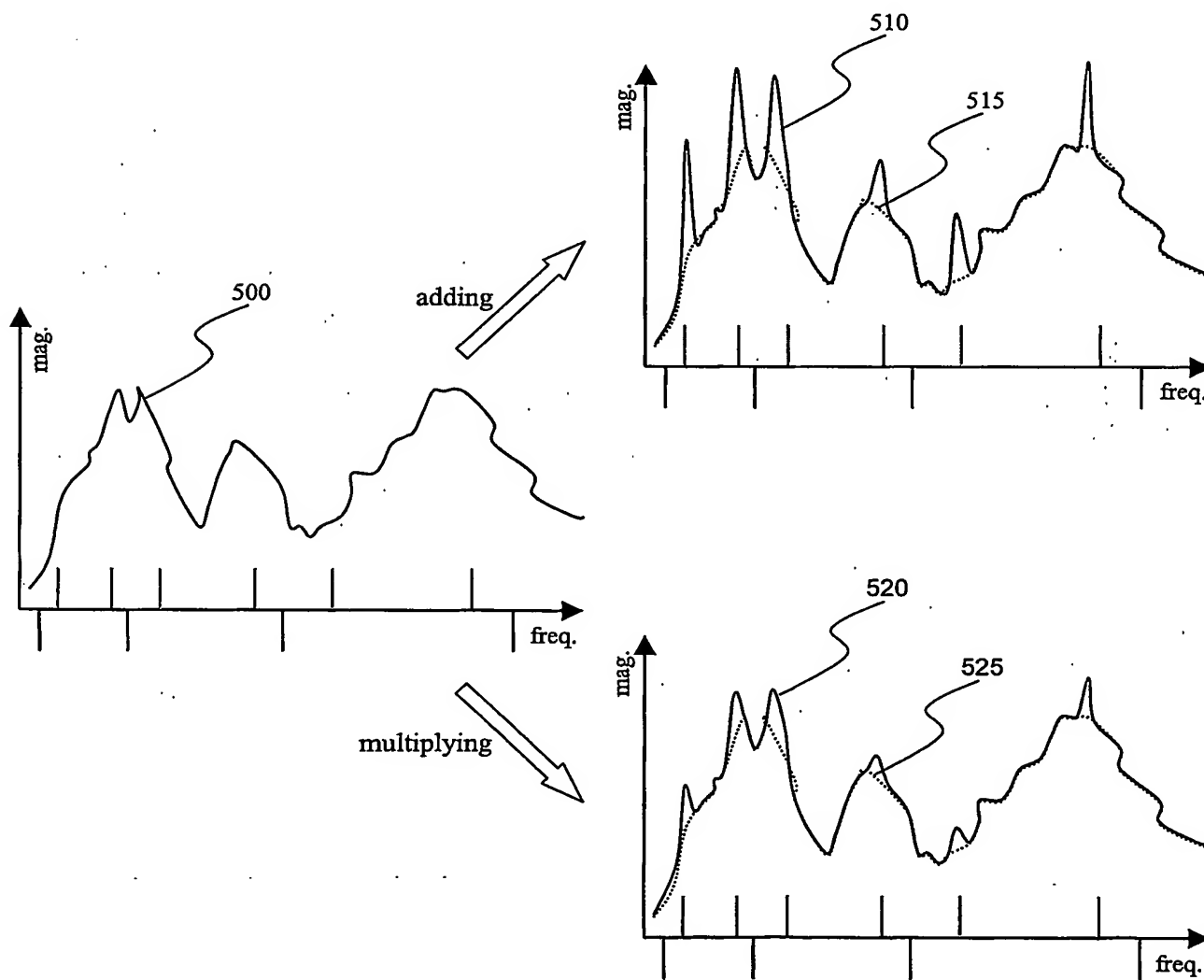


Fig. 5b

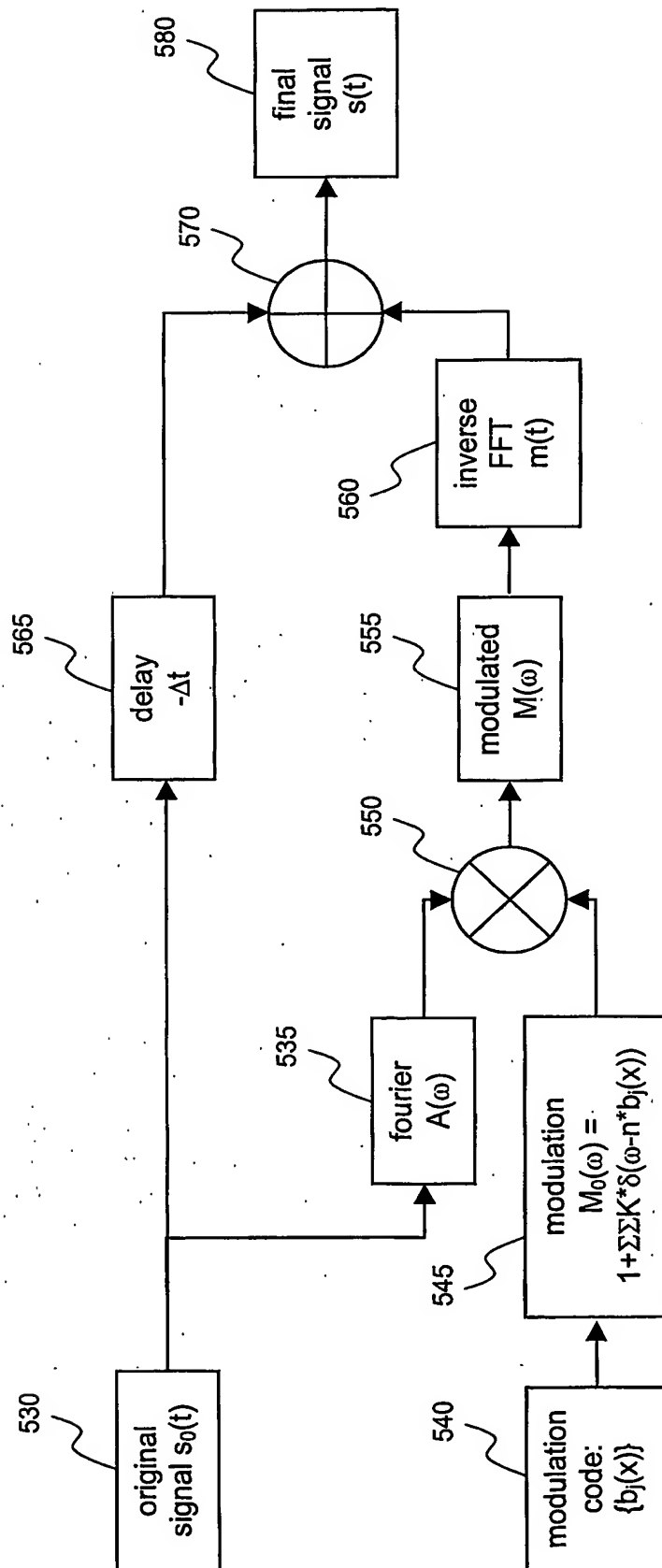
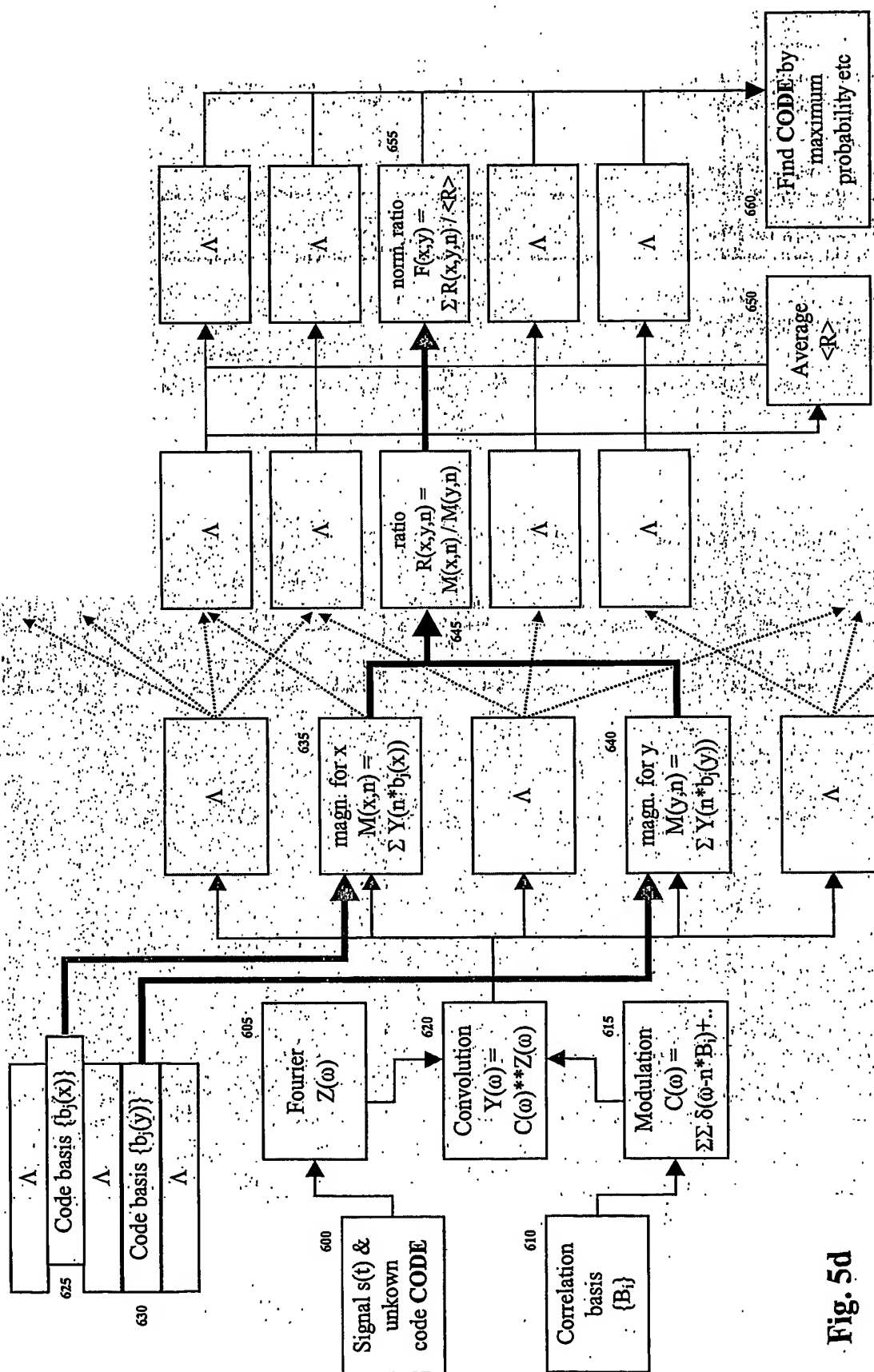


Fig. 5c



**Fig. 5d**